

Elaborate design,
professional manufacturing,
close services,
energy-saving and comfortable

精心设计 专业制造 贴心服务 节能舒适



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浙江三新科技有限公司

ZHEJIANG SANXIN TECHNOLOGY CO.,LTD.

浙江三新科技有限公司的前身为新昌县三新空调风机有限公司，公司成立于1990年，是国内最早专业生产空调用轴流风机的企业之一。公司坐落在省级高新技术科技园拔茅工业园区内；是一家集研发、制造、销售、服务于一体的风机产品专业企业。

公司始终坚持“以人为本、科技创新、以质取胜”的经营理念，积极引进和培养专业人才、并与高等院校联合建立技术研发中心，已形成空调用轴流风机、离心风机、及超大型工业吊扇等几大系列产品。

公司拥有先进的生产设备和国内领先的产品检测中心；企业通过了ISO9001质量管理体系认证，获得了制冷设备生产许可证，并具有产品自主出口经营权。

公司着力推进环保舒适、节能低耗产品开发，经过几年不断改革创新，公司研制成功了低耗高效超大型工业吊扇。该产品通过了省级科技新产品验收，荣获了绍兴市科技进步奖，并被评为2018年“浙江制造精品”产品。公司生产的节能工业吊扇已广泛应用于如中车四方机车厂、中航工业沈飞、北汽新能源、伊利牧业、东鹏特饮等机械、农牧业和食品生产等行业。由我公司负责起草的国家行业标准《工业吊扇 技术条件》已上报国家工信部国标委，预计于2019年内获批下发。

公司连续被评为“绍兴市专利示范企业”、“绍兴市高新技术企业”、“县重点成长型企业”、“浙江省科技中小型企业”、“国家高新技术企业”，并获得新昌县“2017年度企业跨越奖”。

浙江三新科技有限公司将一如既往的加大科技投入，生产出符合客户要求的、具有先进水平的产品，并以优惠的价格回报广大客户。

Zhejiang sanxin technology Co., Ltd., (xinchang sanxin air-conditioning fan Co., Ltd.,) was established in 1990. It is one of the earliest enterprises specializing in the production of axial flow fans for air conditioning in China. The company is located in Bamao industrial park which is the provincial high-tech technology park; Sanxin is a fan products manufacturer integrated in R&D, production, sales and service.

The company insists on management idea of "people-oriented, scientific and technological innovation, quality wins", actively introduces and trains professional talents, and sets up technology research and development center with colleges and universities. And sanxin has formed several series of products such as axial flow fans and centrifugal fans for air conditioning, and large industrial ceiling fans.

The company has advanced production equipment and has product testing center which is leading in china; The company has passed the ISO9001 quality management system certification, obtained the refrigeration equipment production license, and has independent import and export rights.

The company focuses on promoting the development of environmental, comfortable, energy conservation and low-consumption products. For years of reform and innovation, the company has succeeded in developing a low-consumption and high-efficiency large industrial ceiling fan. This product has passed the provincial science and technology new product acceptance, and has won the shaoxing science and technology progress award. And the products also be awarded as "boutique made in Zhejiang". This energy-saving industrial ceiling fans have been widely used in machinery, agriculture, animal husbandry and food production industries, such as CRRC Qingdao Sifang Co., Ltd,

AVIC Shenyang Aircraft Corporation, BAIC BJEV, Inner Mongolia Yili Industrial Group Limited by Share Ltd, Eastroc Super Drink, etc. The national industry standard "technical conditions for industrial ceiling fans" drafted by our company has been reported to the national standard committee of the ministry of industry and information technology. And is expected to be approved and issued in 2019.

The company has been awarded as "shaoxing patent demonstration enterprise", "shaoxing high-tech enterprise", "county key growth enterprise", "zhejiang science and technology smes", "national high-tech enterprise", and won the "2017 enterprise leapfrog award" of xinchang county.

Zhejiang sanxin technology Co., Ltd will increase investment in science and technology as always, produces advanced products meet customer requirements, and returns to customers with preferential prices.



SX-DFS
THEREFORE型工业风扇
SX-DFS
THEREFORE industrial fan



SX-DFS 系列风扇技术规格
SX-DFS Technical specifications

规格 Spec 型号 Model	直径 (mm) Diameter (mm)	功率 (kw) Power (kw)	转速 (r/min) Rotating speed (r/min)	风量 (m ³ /h) Air volume (m ³ /h)	覆盖面积 (m ²) Coverage (m ²)
SX-DFS20	2000	0.25	211	156860	250
SX-DFS30	3000	0.55	145	351180	400
SX-DFS37	3700	0.55	115	480000	550
SX-DFS45	4500	0.75	104	605300	870
SX-DFS55	5500	1.10	64	706700	1050
SX-DFS60	6000	1.50	60	780000	1250
SX-DFS73	7300	1.50	56	860000	1500

注: 1. 尺寸: 以上所列产品尺寸为现货标准, 其他规格尺寸可定制。
2. 噪音: 声级计距电机1m, 电磁噪音60dB(A)以下。
3. 在空旷的场地实测, 平均风速在0.5以m/s上的有效面积。

Note: 1. Dimension: dimensions specified above are standards for goods in stock; customized products in other dimensions may be produced upon requirements.

2. Noise: the sound level meter is placed 1m away from the motor and the electromagnetic noise is lower than 60dB(A).

3. Effective area at the average air speed of more than 0.5m/s actually measured at open area.

SX-DFS 系列风扇特点

SXDFS系列风扇采用立体送风, 通过控制器实现无级调速, 模拟酷似1-3m/s自然风。1-3m/s风速的自然风使人体得到最佳感受。SXDFS系列风扇采用高性能、仿机翼、空心流线型铝合金风叶, 重量轻、强度高, 可推射大量气流到地面, 无论密闭或开放的空间, 都能促成整体空气循环, 加强空气流动, 达到通风、降温的目的。

SX-DFS Characteristics

SX-DFS series of fans adopt three-dimensional air supply technology, realize stepless speed regulation through the controller and stimulate natural air at the speed of 1-3m/s which delivers the best feeling to people.

High-performance, wing-imitating and hollow streamlined aluminum alloy blades characterized by low weight and high strength are adopted which can push a great deal of air to the ground. No matter in closed or open space, overall air circulation can be realized. Airflow can be strengthened so as to achieve the purpose of ventilation and cooling.

SX-DFS 系列风扇应用场合

在机械加工厂、汽车修理厂等大型车间, 采用SXDFS系列工业风扇, 通风效率高, 风速徐缓稳定, 使工人感觉清凉舒适, 而有效提高劳动效率; 并提升工厂6S管理水平。传统小型风扇风速高、风压大, 使人皮肤感觉燥热, 久之, 就会感到头痛、胸闷, 使生产效率下降, 并造成安全隐患。

在商场、车站等大型建筑内, SXDFS系列工业风扇促进空气流通, 提高空调热交换效率。在炎热的夏季开启空调时, 通常调到26℃左右才能有清凉的感觉; 现有各种资料显示, 空调温度升高2℃, 就能节电20%; 而在配装大风扇后, 空调温度在30℃时, 就感到非常凉爽。故大风扇配合中央空调使用更能节电40%以上。

大型工矿企业及物流企业都配建有超大物流仓库, 其通风换气设备一般为屋顶式换气扇或墙装式排风扇, 由于空气流动时形成从进气口到出风口对流的特点, 因此对空间的其它部位就达不到换气的效果。配装使用SXDFS系列超大型工业风扇, 使得物流仓库整个空间的空气循环流动起来, 即使仓库最角落的空气也能得到不断的更新。同时, 空气不断地循环流动, 使物体表面的水分得到蒸发, 从而保证物料干燥存放而久不变质。

SX-DFS Application

SX-DFS series of industrial fans can be applied for machinery factories, vehicle repair plants and other large size workshops. With high ventilation efficiency and slow and stable air speed, they can make workers cool and comfortable, thus improving working efficiency; meanwhile, it can also improve the plant's 6S management level. By contrast, traditional small fans have large air speed and air pressure. People are likely to feel hot and dry and after long time use, may have headache and chest distress, thus reducing production efficiency and leading to safety risks.

In marketplaces, railway stations and other large buildings, SX-DFS series of industrial fans can promote air circulation and improve heat exchange efficiency of air-conditionings. It is usually necessary to set the temperature of the air-conditioning at about 26℃ in hot summer days if you want to enjoy the cool feeling; however, it is shown by various data that power saving by 20% can be achieved by increasing the temperature of the air-conditioning by 2℃. After installing large fans, cool feeling can be created when the temperature of the air-conditioning is set at about 30℃. Therefore, energy saving can be achieved by more than 40% by using large fans and central air-conditioning together.

Large logistics warehouses are usually configured for large industrial and mining enterprises and logistics enterprises which are usually installed with roof-type ventilators or wall-mounting exhaust fans. Since convection from the air inlet to the air outlet is usually formed for air circulation, poor ventilation effect can be achieved for other places in the warehouse. SX-DFS series of super large industrial fans can realize air circulation around the warehouse so that even air in the corner can be constantly updated. Besides, the constant air circulation can realize evaporation of water at the surface of substances, thus ensuring long-term material storage in dry state without deterioration.



大型厂房：如机械加工工厂、汽车修理厂等一切大型车间，采用SX-DFS系列工业风扇，通风效率高，风速徐缓稳定，使工人感觉清凉舒适，从而有效的提高劳动生产率。并能提升工厂6S管理水平。传统小型风扇风速高、动压大，使人皮肤感觉燥热，久之，就会感到头痛、胸闷，使生产效率下降，并造成安全隐患。

Large-scale workshops: Such as the machining factory, vehicle repair plant and any other large-scale workshops. With SX-DFS series of industrial fans, it can achieve high ventilation efficiency, slow and stable wind speed, make the workers to feel cool and comfortable and effectively improve the labor productivity. In addition, it can also enhance 6S management level of the factory. The traditional small-type fans has high wind speed, great kinetic pressure, make the workers to feel skin dry and hot. For a long time, the workers will have headache and chest stuffiness, the production efficiency will be reduce and may cause potential safety hazard.



商场、体育馆、车站等大型公共建筑：促进空气流通，提高空调热交换效率，只要开启1/5数量的空调，就能达到同样的效果，节能功效非常显著。SX-DFS风扇能迅速驱散异味，创造舒适的环境。在公园等公共场所，使用该大型风扇，极大地提高了人们娱乐、休闲的质量。若配合本公司生产的喷雾降温系统使用，在炎炎的夏日，是极致的生活享受。

Shopping mall, gymnasium, station and other large-scale public buildings: It can promote air circulation and improve the heat exchange efficiency of the air-conditioner. It can achieve the same effect only turning on air-conditioners of 1/5 of the original quantity. SX-DFS fans can rapidly drive off the off-odor and create the conformable environment. If this large-scale fan is used in public spaces (such as park), it can greatly improve the people's entertainment and leisure quality. If the fan is used together with the mist cooling system produced by the Company, you can enjoy the wonderful life in hot summer.



大型物流仓库：改善空气质量，驱潮去湿，防止储存货物锈蚀变质，延长货物保存时间，避免财产损失。也有使员工享受舒适的工作环境。良好的工作环境，极大地提高了员工收发和搬运货物的工作效率。

Large-scale logistics warehouse: It can improve the air quality, drive off the humidity and remove the moisture, prevent the stored goods from corrosion and deterioration, extend the storage period of the goods and avoid property loss. In addition, it can also make the employees to enjoy the comfortable working environment. With the fine working environment, it can greatly improve the working efficiency for the employees to receive, dispatch and handle the goods.



大型养殖场：如养殖场、孵化场等。良好的通风可以改善空气质量、去潮除湿、驱除异味，减少牲畜发病率。适宜的温度可以使牲畜感觉舒适，刺激牲畜快速生长，从而提高存栏牲畜的出产率，增加禽、蛋、奶、肉的产量。

Large-scale cultivation farms: Such as the cultivation farm, hatchery and so on. With fine ventilation, it can improve the air quality, drive off the humidity and remove the moisture, drive off off-odor and reduce the livestock incidence rate. With the proper temperature, the livestock can feel comfortable, excite the livestock to grow fast, and thus it can improve the output rate of the livestock under raising and increase the yield of the poultry, egg, milk and meat.





节能舒适

SX-DFS的广泛应用离不开其低能耗的特点。

与牛角摇头扇比较，每台大风扇1.5KW的功率可以覆盖1000平方米面积的空间，而每把牛角扇的功率为300-500W，覆盖面积25-30平方，以1000平方计算需30-35把，每小时耗电10-15度，而大吊扇公1.5度，节能超过80%，并且大大减少了噪音。

与中央空调比较，以1000平方米计算需投入设备费约25-40万，功率约90-100千瓦，1.5:90的节能比例，真正实现节能、环保、低碳。

与中央空调同时使用同样能达到节能和改善舒适感，在炎热的夏季开启空调的同时温度正常调到23-25度，而开启大吊扇后空调的温度可调到26-28度，不仅空气凉爽还可以节能25%，减少空调疾病。

Energy-saving and Comfortable

Extensive application of SX-DFS is closely related to its characteristic of low energy-consumption.

Compared with the ox horn head-shaking fan, each large fan of 1.5kw power can cover the space of 1000m². However, the power of each ox horn head-shaking fan can only cover the area of 25-30m². For 1000m², it will need 30-35 ox horn head-shaking fans, and it will consume electric power of 10-15kwh every hour. As for the large ceiling fan, it only consumes 1.5kwh. It can save energy by 80%, and it can also greatly reduce the noise.

Compared with the central air-conditioner, for 1000m², it will invest the equipment cost about RMB250000-400000, the power is about 90-100kw. With the energy saving ratio of 1.5:90, it can really achieve saving energy, environmental protection and low carbon.

If the fan is used together with the central air-conditioner, it can also save energy and improve the comfortable feel. In the hot summer, it normally adjusts the temperature to be 23-25°C while turning on the air-conditioner; the temperature of the air-conditioner can be adjusted to be 26-28°C while turning on the large ceiling fan. It can not only achieve cool air, but also can save energy by 25% and reduce the disease related to the air-conditioner.

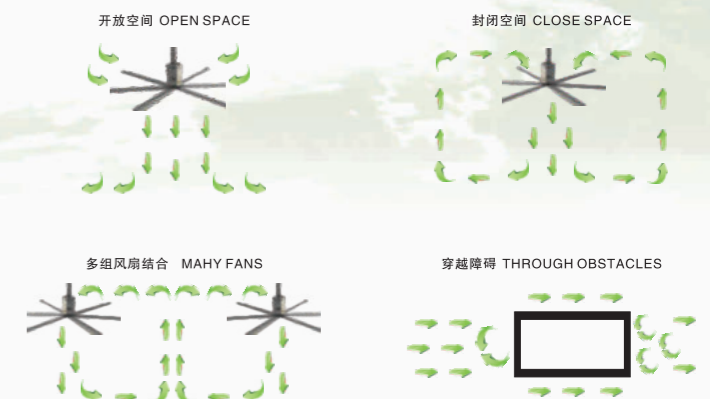


气流示意图

SX-DFS的低能耗秘诀在于其使风扇最大直径达到7.3m的超大风叶，使其低转速也能引起强大的气流运动，覆盖乃至1000M的超大区域，在室内形成环流达到立体送风的目的，形成酷似大自然1-3m/s体感最佳风速，避免了传统高转速风扇劲吹人体带来的身体不适，在节能的同时也得到了健康。

Airflow Schematic Diagram

Low energy-consumption of SX-DFS depends on the ultra-large fan blades that make the maximum diameter of the fan can reach 7.3m. Even at low revolution, it can also bring about strong air flow movement, it can cover the ultra-large are up to 1000m². It can form circulatory flow indoor and achieve the purpose of three-dimensional air blow, form the naturally optimal body feel wind speed of 1-3m/s. it can avoid the discomfort against the human body caused by the powerful blow of the traditional high revolution fan, and it can achieve health while saving energy.



产品安全问题非常重要，针对SX-DFS超大体型的特点，采取以下措施保障安全：

The product safety issue is very important. For the ultra-large body volume of SX-DFS fan, it shall take the following safeguard measures:

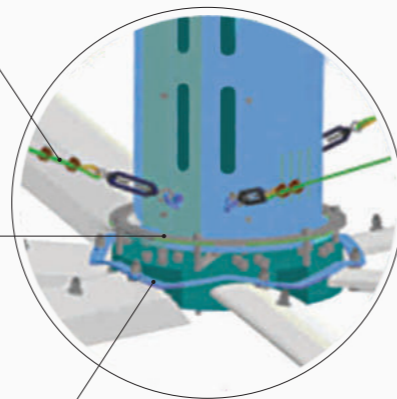
1.变频控制器：平时用于调速。意外发生时，变频控制系统自动报警并停止运行。

Variable Frequency Control (VFC): VFC is used for speed regulating in ordinary time. When there is accident, the variable frequency control system will automatically alarm and stop operation.



2.钢丝牵引：每根钢丝绳拉力强度可达1000KG，保证安全的同时，也可以使风扇运行平稳，增加使用寿命。

Traction with the steel wire: The intensity of tension of each steel wire cable can reach 1000KG. It cannot only guarantee safety, but also can achieve stable fan operation and increase the service life of the fan.



3.安全环：防止风扇旋转部件整体脱落，起到保险作用。

Safety ring: The safety ring can prevent falling off of the entire fan rotating part and achieve safeguarding purpose.

4.安全片：使各叶片相互间牢固连接，避免任意叶片松动掉落。

Safety disc: The safety disc can make the blades to be solidly interconnected and avoid loosening and falling of any blade.

我们对产品的信心来源于品质，严格的品保管理和优质的产品零部件，保障了产品的使用寿命。SX-DFS的设计寿命为15年以上，是强力工业风扇寿命的7倍以上。

Our confidence toward the products comes from the quality. With the strict quality assurance management and high-quality product part, the service life of the products can be guaranteed. The design life of SX-DFS fan is more than 15 years, which is more than 7 times of the life of the powerful industrial fan.

SX-DFS超大型工业风扇，已通过省级工业新产品鉴定。

China Life Property & Casualty Insurance Company limited has undertaken insurance for the quality of the product, and you use the product at ease.



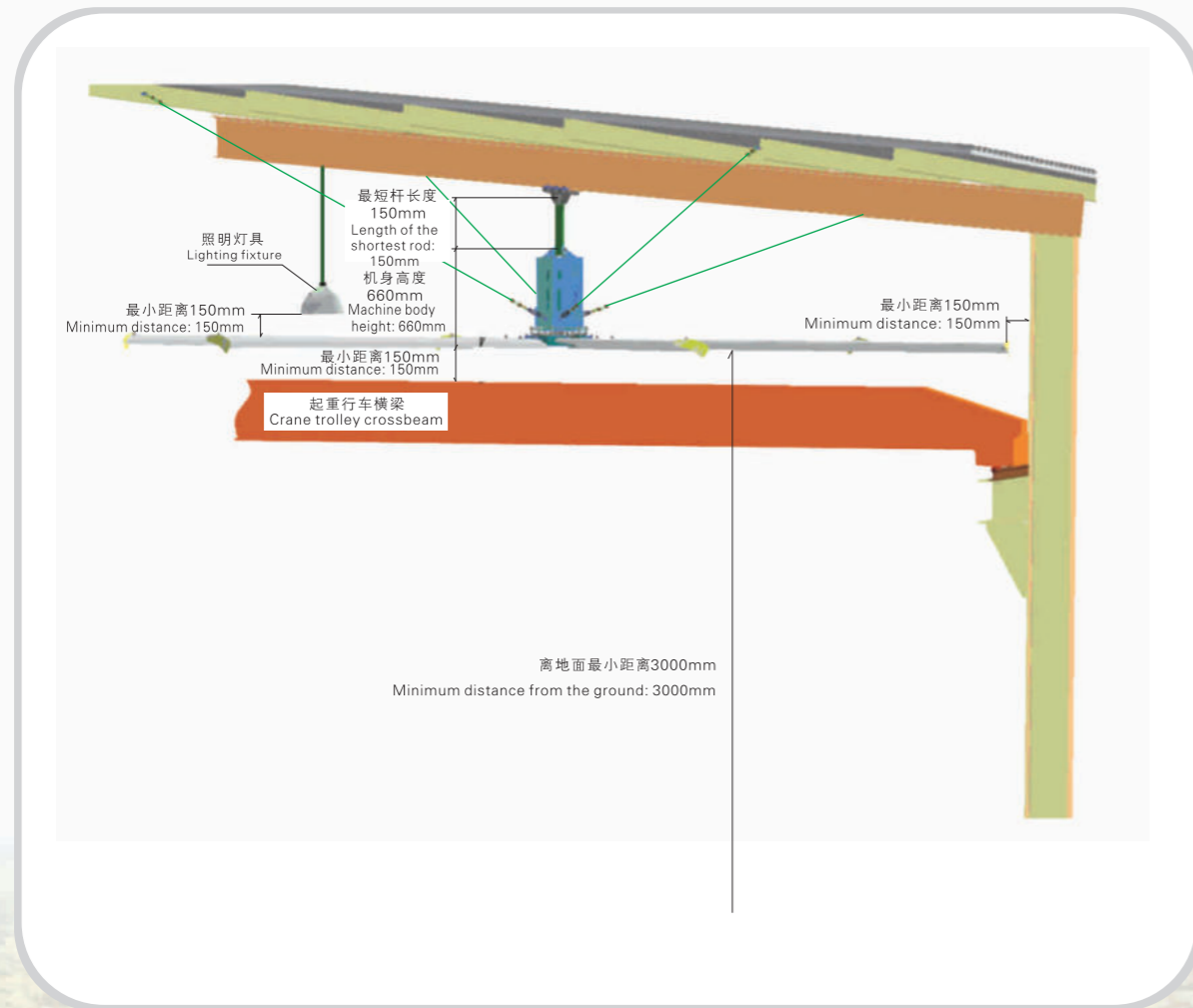
本产品已由中国人寿财产保险股份有限公司产品质量承保，请您放心使用。

China Life Property & Casualty Insurance Company limited has undertaken insurance for the quality of the fan.



中国人寿财产保险股份有限公司
China Life Property & Casualty Insurance Company Limited

本风机由中国人寿财产保险股份有限公司产品质量承保



高压微雾系统

高压微雾系统是我公司生产的一种集降温、加湿功能于一体的设备。原理是将水经过高压柱塞泵加压，通过高压管路上分布的雾化喷嘴形成水雾，经过SX-DFS风扇产生的气流作用加速蒸发，使这些微小的水雾粒子瞬间变成水蒸气，从而不至于损坏室内产品和设备，根据蒸发吸热的原理达到降温效果，经实测SX-DFS在配合高压微雾系统后，整个空间的降温效果达到3-8度。金属加工等机械制造企业对于工作环境的湿度比较敏感。本公司采用对雾化系统和风扇系统的集成控制，使其对金属表面的损害达到最小。

High-pressure Fogging System

High-pressure fogging system is one kind of equipment integrating cooling with humidifying functions and produced by the Company. The principle is described as follows: the water is pressurized with the high-pressure plunger pump, water mist is formed through the fogging nozzles distributing on the high-pressure pipeline, water mist is accelerated to vaporize with the air flow effect caused by SX-DFS fan, and the tiny water mist particles become vapor instantly and will not damage the indoor products and equipments. It can achieve the cooling effect based on the principle that the vapor absorbs heat. With actual measurement, after SX-DFS is utilized together with the high-pressure fogging system, the cooling effect of the whole space can reach 3-8°C. Machinery manufactures (such as for metalworking) are relatively sensitive to humidity of the operating environment. With the integrated control of the fogging system and the fan system, the Company can reduce the damage against the metal surface to be the minimum.

- 1) 建筑结构：H型钢、工字钢、钢混方梁等结构，最大安装角度45度。
- 2) 建筑总高度要求大于4.5m。
- 3) 扇叶距离屋顶距离最低0.8m。
- 4) 扇叶距离障碍物安全距离最小0.15m。
- 5) 输入电源：380V/220V均可。

1. Architecture: Such structures as H-type steel, I-steel, reinforced concrete square beam and so on, and the maximum installation angle is 45°.
 2. The total building height shall be greater than 4.5m.
 3. The minimum distance from the fan blade to the roof is 0.8m.
 4. The minimum safe distance from the blade to obstacle is 0.15m.
 5. Input power supply: 380V/220V
- For different architectures, we will make relevant installation scheme and safeguard operation safety of SX-DFS.

根据不同的建筑结构，我们会制定相应的安装方案，保障SX-DFS的运行安全。

三新为您提供

- 产品设计寿命15年
- 3年整机质保
- 负责终身维护

Sanxin Company provides the following guarantees:

- Product design life of 15 years
- Quality guarantee for the entire machine for 3 years
- All-life maintenance

公司客户

凭借着过硬的质量与完美服务，公司系列产品已遍布全国各地，在2006年10月，公司创立中美合资—浙江新昌吉康机电有限公司，更是为公司打开了国外市场，产品已成功销往北美及东南亚多个国家和地区。本公司衷心感谢新老客户长久以来的支持与厚爱。

Company's customers

With sound quality and perfect service, Company series of products have been sold all over China. In October 2006, the Company established Zhejiang Xinchang Jikang Electromechanical Co., Ltd. (Sino-US Joint Venture), and the overseas market was opened for the Company. The products have been successfully sold to many countries and regions in North America and SEA. The Company expresses cordial thanks the new and frequent clients for their support and favor for a long time.





喷雾风扇的参数 Parameters of Sprinkling Fan

1. 电源: ~3~380V 50Hz 三相四线制 (可定制)
Power: ~3~380V 50Hz three-phase four-wire system (customizable)
2. 功率: 550W
Watt: 550W
3. 风量: 15000M3/h
Capacity: 15000M3/h
4. 喷雾用水量: 18Kg/h
Quantity of Water of Spraying: 18Kg/h

1. 降温: 利用水雾蒸发吸收周围热量, 达到降温效果。主要用于户外活动、厂房车间、车站、体育馆、养殖场等。
Temperature Reduction: To lower the temperature by spray-decalescence all around. It is mainly used in outdoor activities, factory shops, stations, gyms, farms and so on.
2. 加湿: 离心雾化喷出的雾粒非常细微并分布均匀, 加湿效果非常好。主要用于纺织厂、纸箱厂、化工厂、公园、花卉场所等。
Humidification: Particles of centrifugal-spray are very small and well-distributed, it shows us a pretty good wetting effect. It is mainly used in textile factories, carton plants, chemical works, parks, flower gardens and so on.
3. 除尘: 水雾分子容易跟灰尘吸纳, 从而加重灰尘重量, 使灰尘降落, 主要用于工厂车间、沙石场、水泥厂、煤矿、仓库等。
Dust Elimination: It is easily to combine spray molecules and dust so that we could make the dust heavier and down the dust. It is mainly used in factory shops, sandstone factories, cement plants, coal mines, storehouses and soon.
4. 消毒: 在水箱中加入药水, 通过雾化盘把药水变成水雾, 药水雾能分散到每个角落。主要用于养殖场、动物园、垃圾站、车站、食品厂、公共场所等。
Disinfection: User just put liquid medicine into water tank, then the atomization-plate will make liquid medicine into spray. Spray can be spread all around. It is mainly used in farms, zoos, garbage collection station, stations, foodstuffs factories, public places and soon.
5. 除异味: 在水箱中加入香水或除臭剂, 通过雾化, 水雾分子可以把异味除去。主要用于车间、商场、化工厂、塑胶厂等。
Peculiar Smell Elimination: User just put perfume or deodorant into water tank then machine will make it into spray. Spray molecules will take away the peculiar smell. It si mainly used in workshops, malls, chemical works, plastics factories.
6. 防静电: 水雾可以增加空气的湿度, 从而可以防静电。主要用于电子厂、薄膜厂、化纤厂等。
Electrostatic prevention: Spray could make air wetter to prevent the electrostatic. It is mainly used in electronic equipment factories, plastic-sheet factories, chemical fibre factories and so on.



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